

# TP090STW/100610001 S00071 - Touch panel



2401665

<https://www.phoenixcontact.com/us/products/2401665>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Touch panel, 22.9 cm / 9"-TFT display (analog resistive (polyester)), 800 x 480 pixel(s) (WVGA), 16.7 million colors, Arm® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1x COM (RS-232), 1x COM (RS-422/485), 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, TSvisIT, DualCAN.

## Commercial data

Item number	2401665
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCABE
GTIN	4055626375038
Weight per piece (including packing)	1.3 kg
Weight per piece (excluding packing)	1.3 kg
Country of origin	DE

## Technical data

### Product properties

Product type	Operator panel
--------------	----------------

### Computer data

Processor	Arm® Cortex®-A8, 800 MHz
Operating system	Windows® Embedded Compact 7
RAM	1 MB SRAM
	512 MB LPDDR RAM
Data storage system	NAND-Flash, 1 GB
Slots	1x SD
Extras	Integrated acoustic signal (buzzer)

### Display

Display type	22.9 cm / 9"-TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	800 cd/m², typical (adjustable)
MTBF	70000 h
Color spectrum	16.7 million colors
Reading angle left	85.00 °
Reading angle right	85.00 °
Reading angle top	85.00 °
Reading angle bottom	85.00 °

### Interfaces

Interfaces	2x USB Host 2.0
	1x COM (RS-232)
	1x COM (RS-422/485)
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	DualCAN

### System properties

User software	TSvisIT
---------------	---------

### Electrical properties

Service life of battery	5 years (typical)
-------------------------	-------------------

### Supply

Power supply unit	24 V DC ±20 %
Typical current consumption	0.7 A

### Real-time clock

2401665

<https://www.phoenixcontact.com/us/products/2401665>

Realtime clock	Yes
----------------	-----

## Mounting

Mounting type	Front mounting
---------------	----------------

## Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65 (front), IP20 (back) NEMA 4X
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Altitude	3000 m
Permissible humidity (operation)	20 % ... 85 %
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

## Dimensions

### External dimensions

Width / Height / Depth	260 mm / 172 mm / 5 mm (Dimensions of the front plate)
------------------------	--

### Installation dimensions

Width / Height / Installation depth	252 mm / 164 mm / 54 mm (Mounting cutout, depth with bus if bus system present in the device)
-------------------------------------	---

# TP090STW/100610001 S00071 - Touch panel



2401665

<https://www.phoenixcontact.com/us/products/2401665>

## Classifications

### UNSPSC

UNSPSC 21.0	43211904
-------------	----------

2401665

<https://www.phoenixcontact.com/us/products/2401665>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-15
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
-------------------------------------	----------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
 586 Fulling Mill Road  
 Middletown, PA 17057, United States  
 (+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)